GENESYS™

GH1kW

EMI

DATA

APPD	CHK	DWG
02/06/20	01.06.2020	Michael Goldsberg 01/06/2020

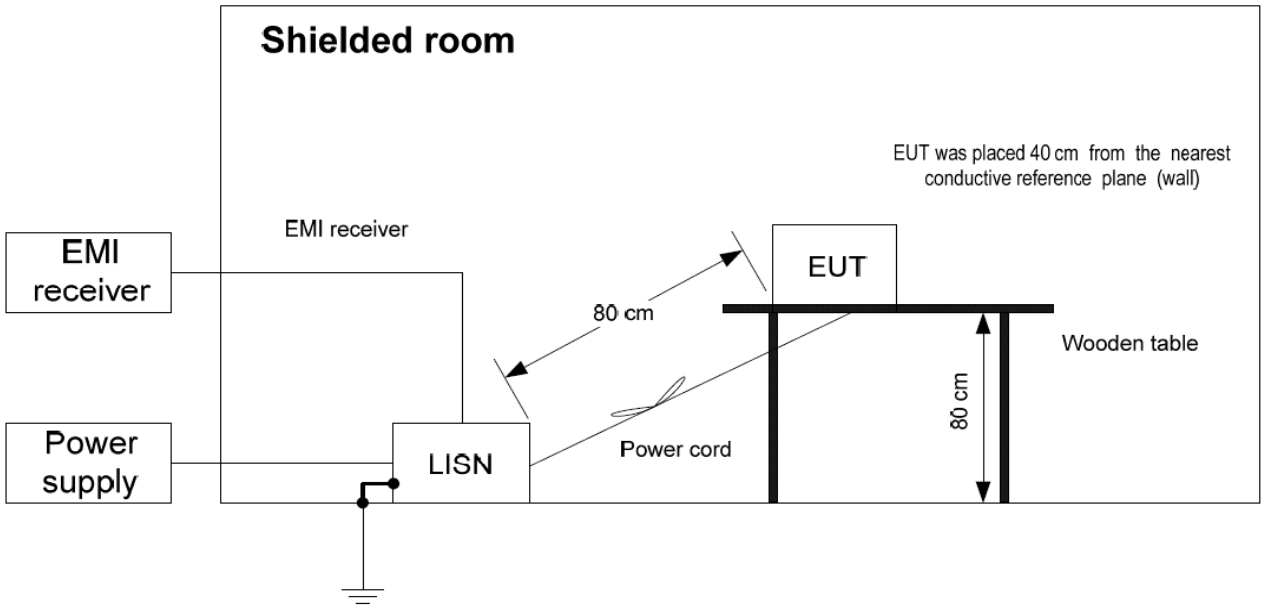
TDK-LAMBDA

INDEX PAGE

The above data is typical value data.
The values are considered to be actual capability data.

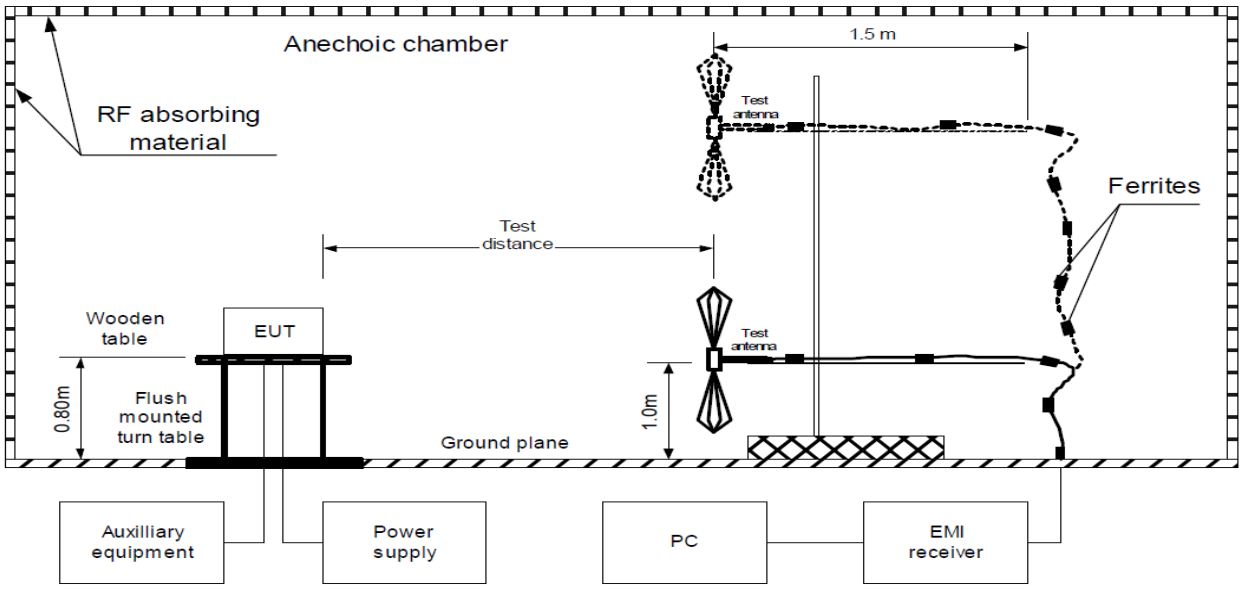
1.Test Method

(1) Conducted Emission



EMI TEST RECEIVER	ESPI	(ROHDE & SCHWARZ)
LISN	ENV4200	(ROHDE & SCHWARZ)

(2) Radiated Emission



Trilog Antenna	Frankonia	ALX-8000E
Active Horn Antenna	COM-POWER CORP.	AHA-118
EMI Test Receiver	Rohde&Schwarz	(EMCO)
Temp.&Humidity Meter	Mad Electronics	HTC-1
Microwave cable Assembly	Huber-Suhner	SUCOFLEX 102A
RF Cable	Huber-Suhner	SF118/11N

2. Test Data

2.1 Conducted Emission

MODEL: GH10-100 1P200

(1) Test condition

Input frequency: 50Hz
Output current: 100%
Output voltage: 100%
Ambient temperature: 25°C
Regulation: FCC Class B, IEC61204-3

(2) Test results

Under the above test condition, emission level was below the limit line.
Refer to the following interference wave list and next page for spectrum data.

Inteference wave list

FCC Class B, IEC61204-3				
PHASE	FREQ	RESULT	LIMIT	MARGIN
		AV	AV	AV
	MHz	dBµV	dBµV	dBµV

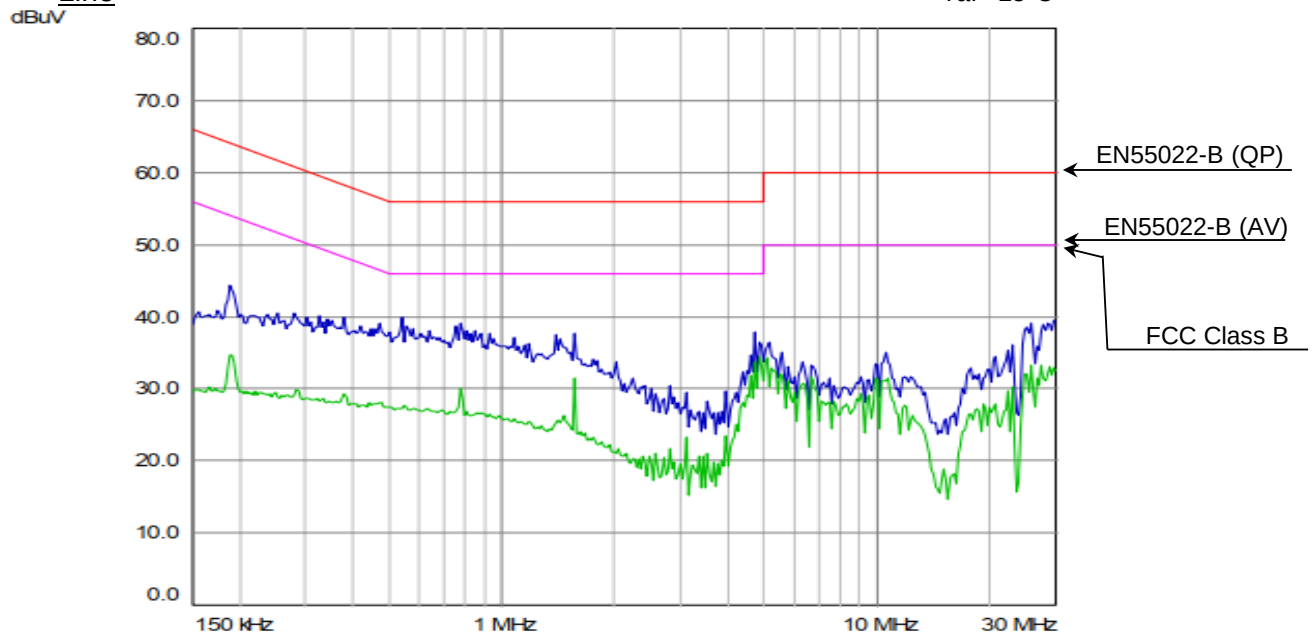
2. Test Data

2.1 Conducted Emission

MODEL: GH10-100 1P200

Vin: 1PHASE 100VAC
Iout: 100%
Vout: 100%
Ta: 25°C

Line



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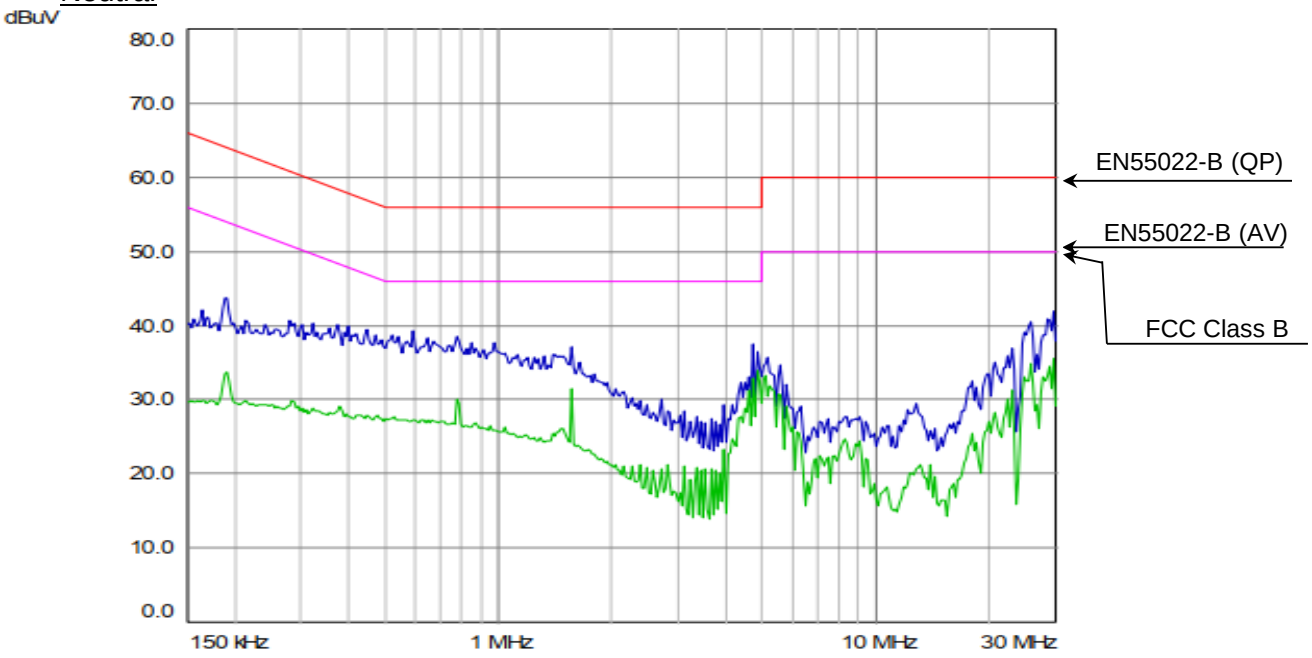


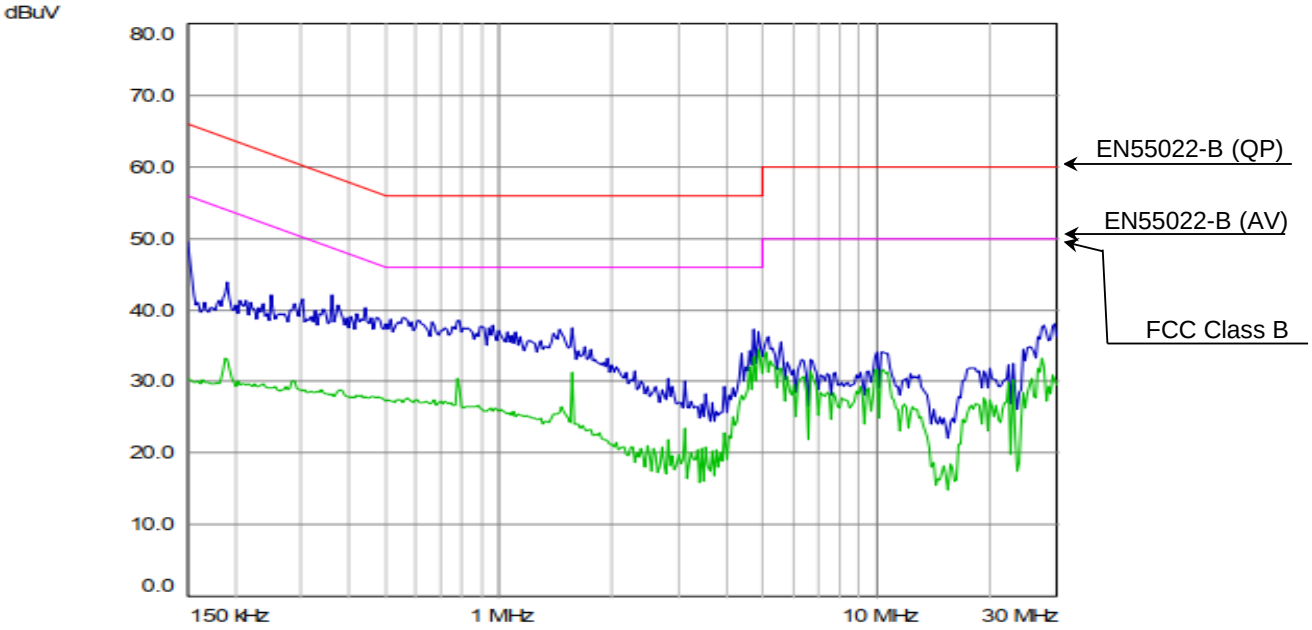
2. Test Data

2.1 Conducted Emission

MODEL: GH10-100 1P200

Vin: 1PHASE 230VAC
Iout: 100%
Vout: 100%
Ta: 25°C

Line



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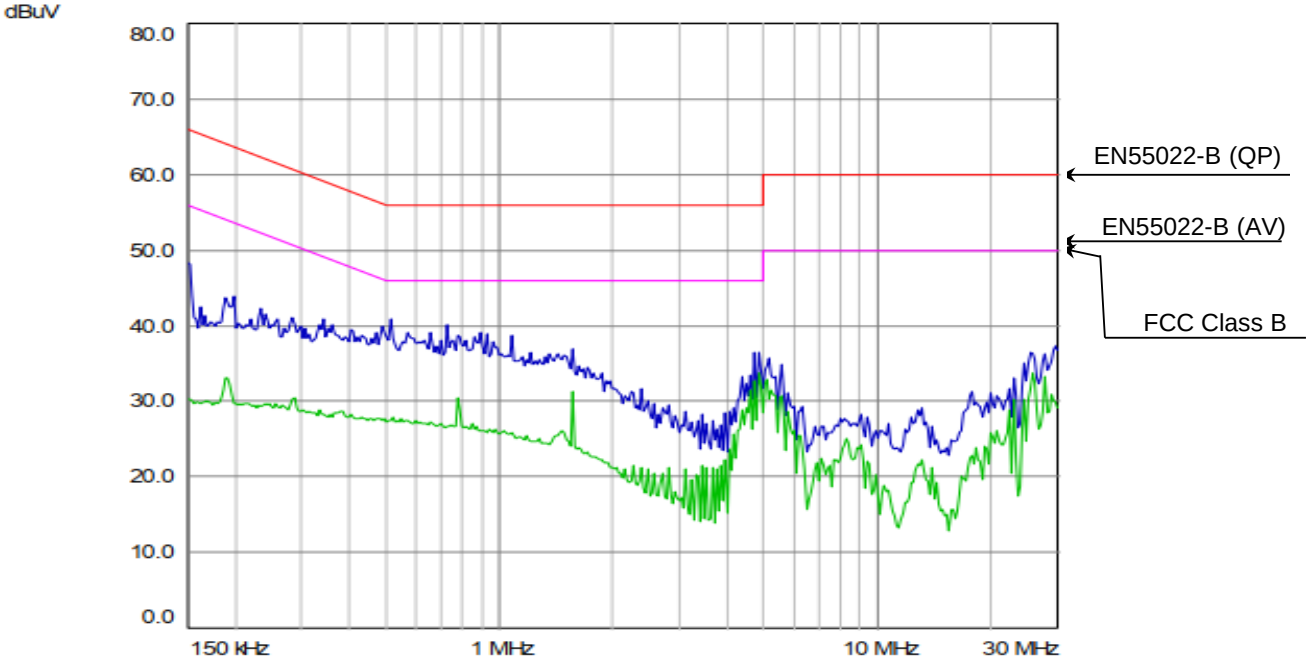


2. Test Data

2.1 Conducted Emission

MODEL: GH60-17 1P200

(1) Test condition

Input frequency: 50Hz
Output current: 100%
Output voltage: 100%
Ambient temperature: 25°C
Regulation: FCC Class B, IEC61204-3

(2) Test results

Under the above test condition, emission level was below the limit line.
Refer to the following interference wave list and next page for spectrum data.

Inteference wave list

FCC Class B, IEC61204-3				
PHASE	FREQ	RESULT	LIMIT	MARGIN
		AV	AV	AV
	MHz	dBµV	dBµV	dBµV

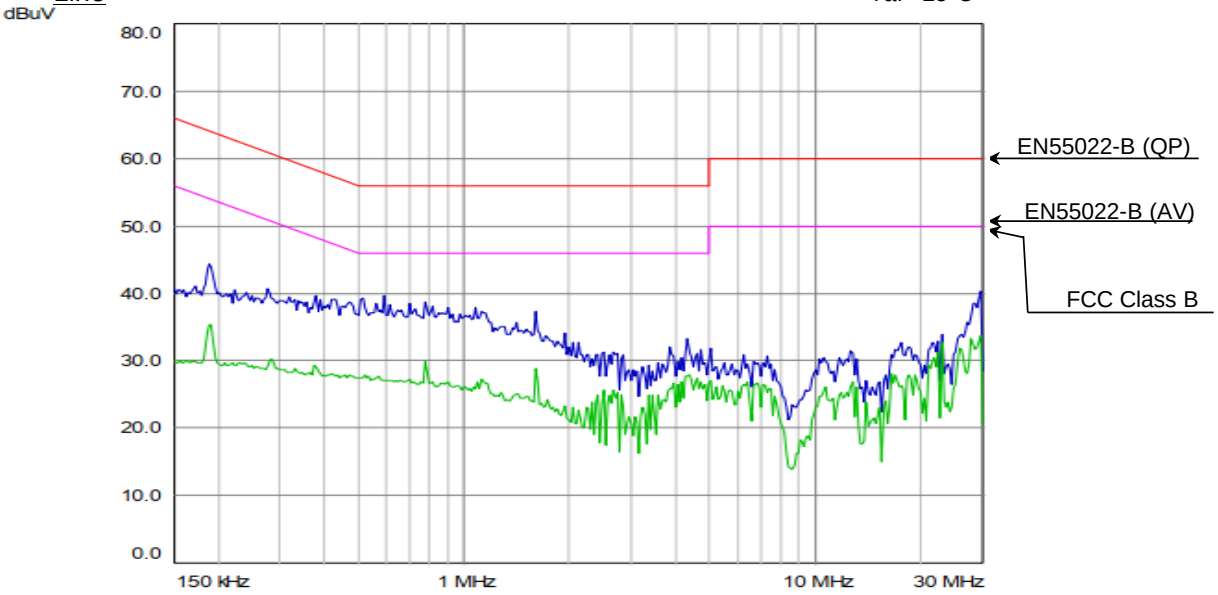
2. Test Data

2.1 Conducted Emission

MODEL: GH60-17 1P200

Conditions: Vin: 1PHASE 100VAC
Iout: 100%
Vout: 100%
Ta: 25°C

Line



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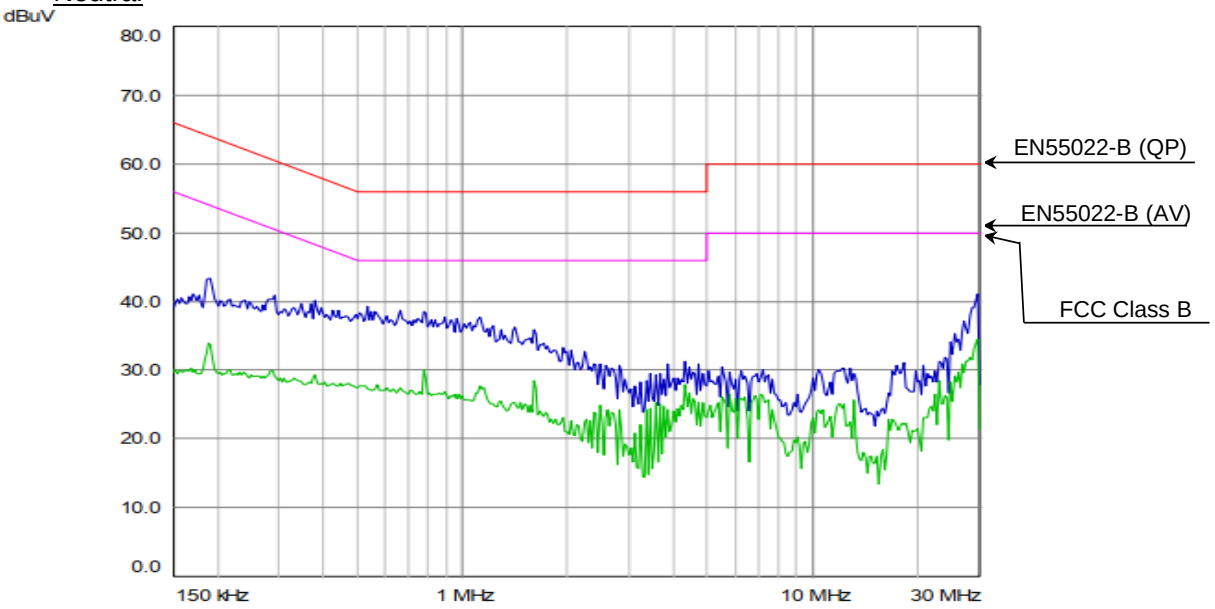


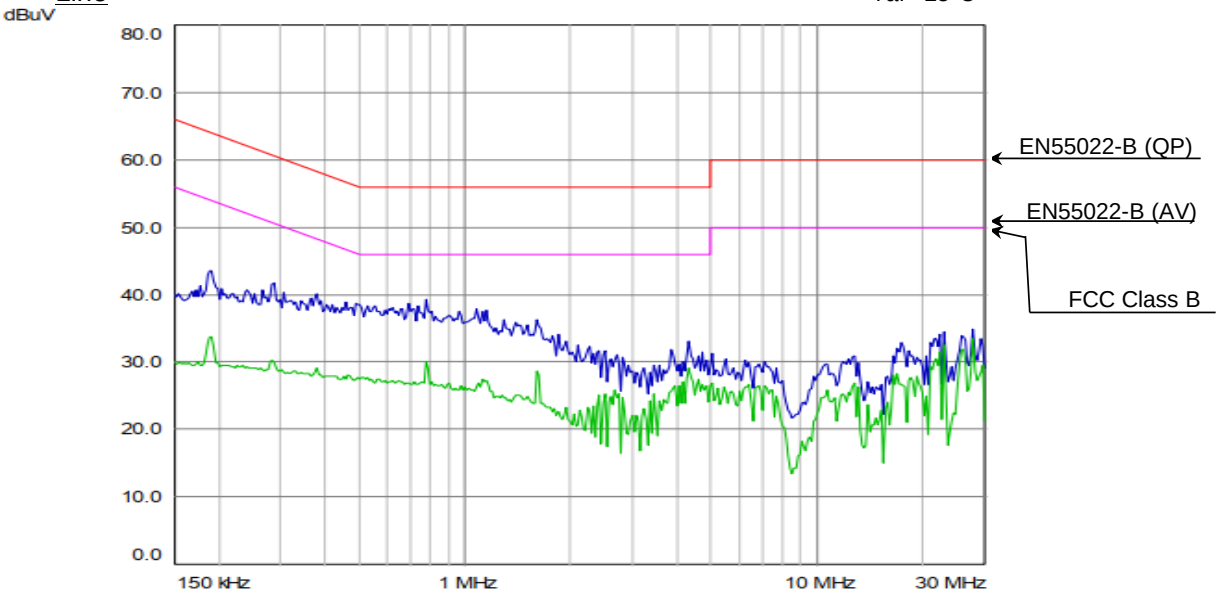
2. Test Data

2.1 Conducted Emission

MODEL: GH60-17 1P200

Conditions: Vin: 1PHASE 230VAC
Iout: 100%
Vout: 100%
Ta: 25°C

Line



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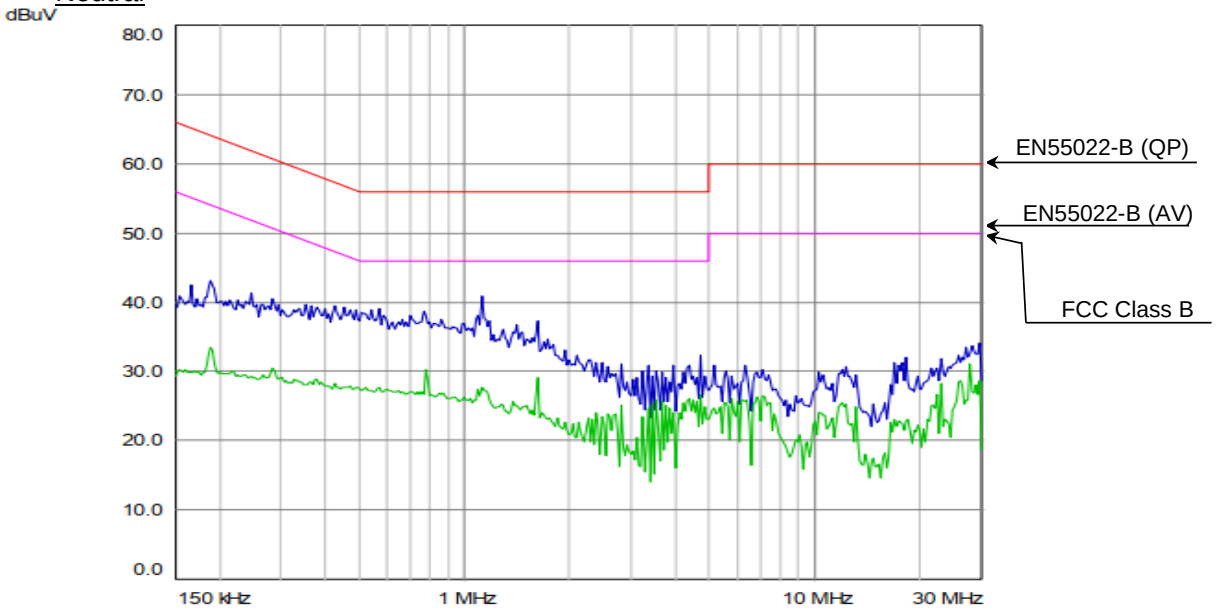


2. Test Data

2.1 Conducted Emission

MODEL: GH150-7 1P200

(1) Test condition

Input voltage/frequency: 1PHASE 100VAC/50Hz
Output current: 100%
Output voltage: 100%
Ambient temperature: 25°C
Regulation: FCC Class B, IEC61204-3

(2) Test results

Under the above test condition, emission level was below the limit line.
Refer to the following interference wave list and next page for spectrum data.

Inteference wave list

FCC Class B, IEC61204-3				
PHASE	FREQ	RESULT	LIMIT	MARGIN
		AV	AV	AV
	MHz	dBµV	dBµV	dBµV
L	29.70265	41.91	50.00	8.09
N	29.70265	40.50	50.00	9.50

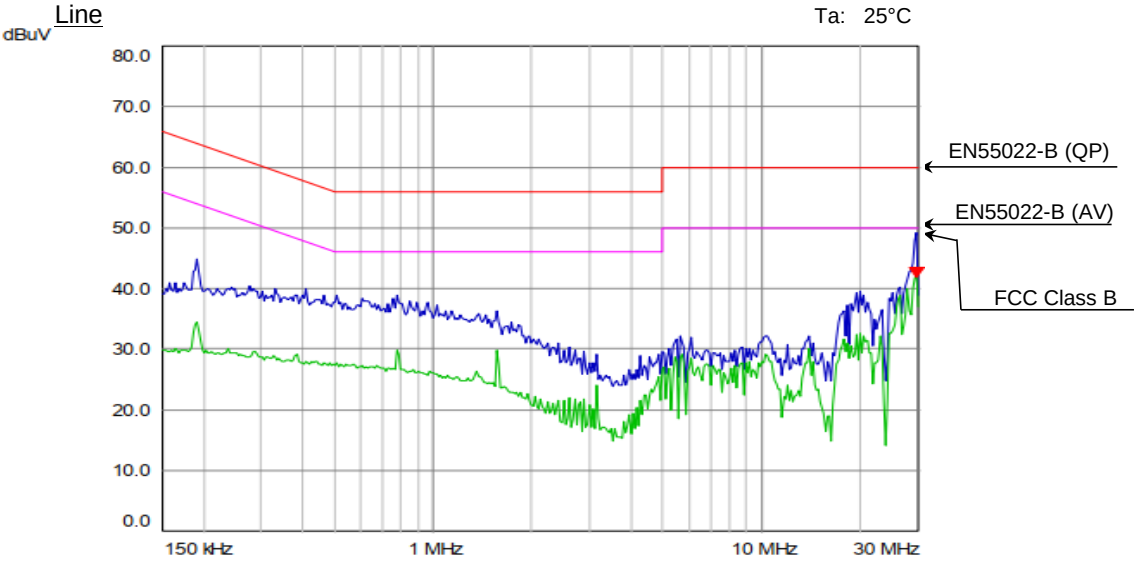
2. Test Data

2.1 Conducted Emission

MODEL: GH150-7 1P200

Conditions: Vin: 1PHASE 100VAC
Iout: 100%
Vout: 100%
Ta: 25°C

Line



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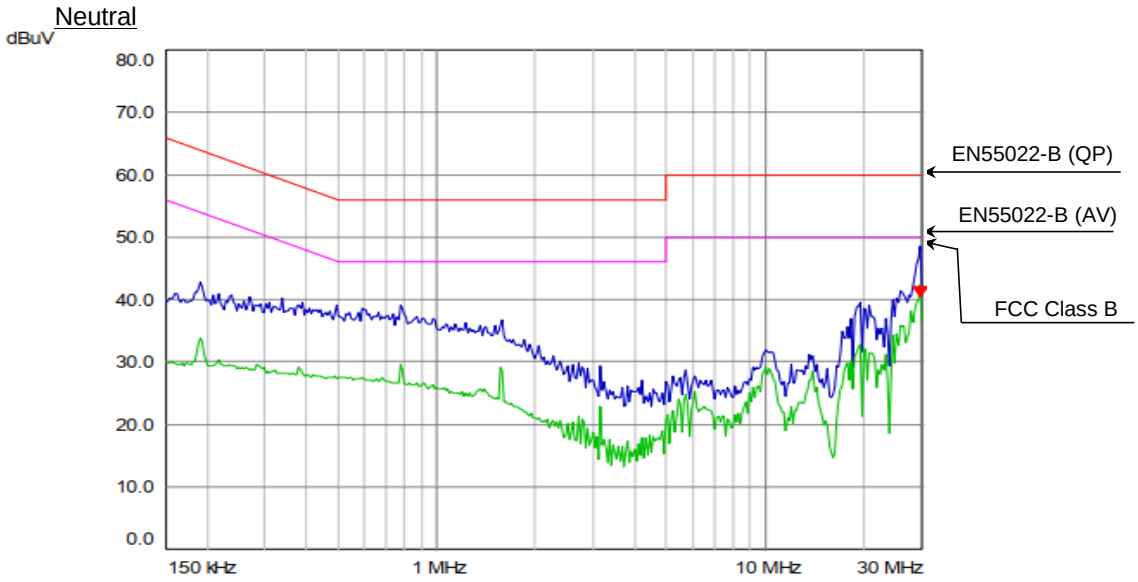


2. Test Data

2.1 Conducted Emission

MODEL: GH150-7 1P200

(1) Test condition

Input voltage/frequency: 1PHASE 230VAC/50Hz
Output current: 100%
Output voltage: 100%
Ambient temperature: 25°C
Regulation: FCC Class B, IEC61204-3

(2) Test results

Under the above test condition, emission level was below the limit line.
Refer to the following interference wave list and next page for spectrum data.

Inteference wave list

FCC Class B, IEC61204-3				
PHASE	FREQ	RESULT	LIMIT	MARGIN
		AV	AV	AV
	MHz	dBµV	dBµV	dBµV
L	29.70265	41.12	50.00	8.88
N	29.70265	40.09	50.00	9.91

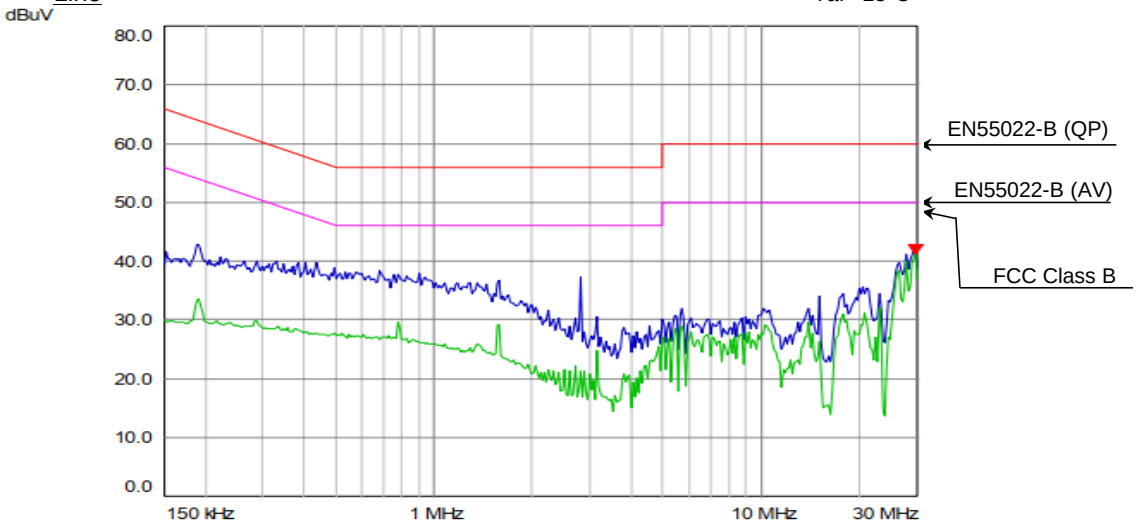
2. Test Data

2.1 Conducted Emission

MODEL: GH150-7 1P200

Conditions: Vin: 1PHASE 230VAC
Iout: 100%
Vout: 100%
Ta: 25°C

Line



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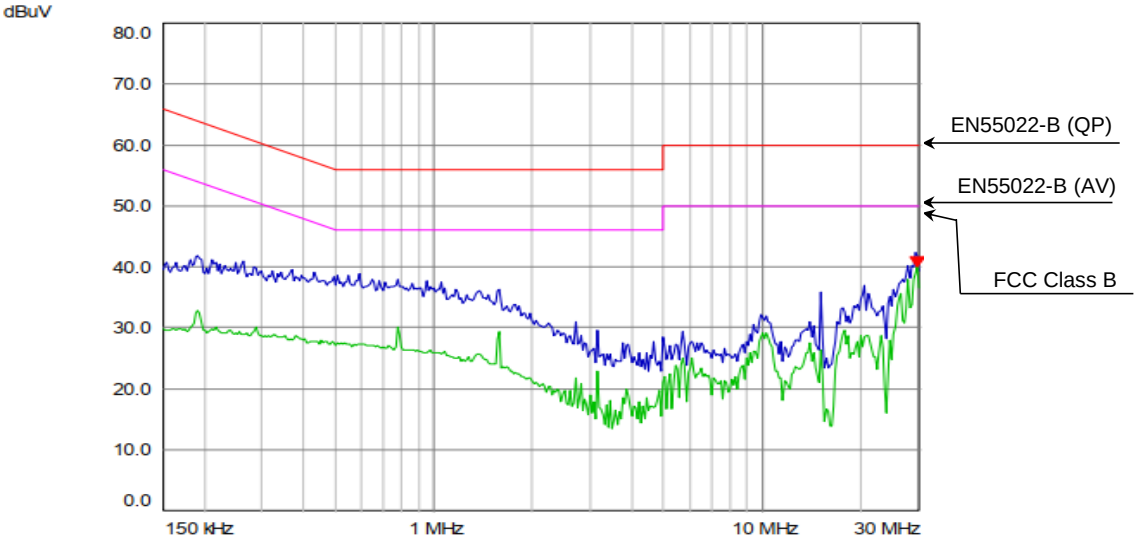


2. Test Data

2.1 Conducted Emission

MODEL: GH600-1.7 1P200

(1) Test condition

Input frequency:	50Hz
Output current:	100%
Output voltage:	100%
Ambient temperature:	25°C
Regulation:	FCC Class B, IEC61204-3

(2) Test results

Under the above test condition, emission level was below the limit line.
Refer to the following interference wave list and next page for spectrum data.

Inteference wave list

FCC Class B, IEC61204-3				
PHASE	FREQ	RESULT	LIMIT	MARGIN
		AV	AV	AV
	MHz	dBµV	dBµV	dBµV

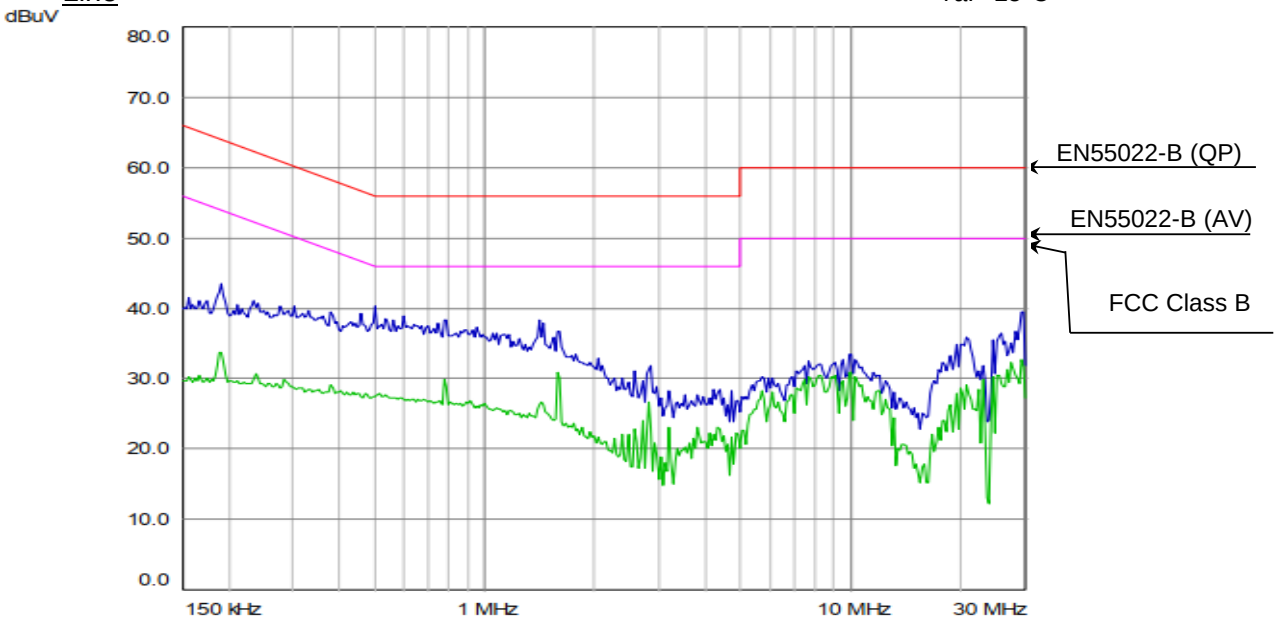
2. Test Data

2.1 Conducted Emission

MODEL: GH600-1.7 1P200

Conditions: Vin: 1PHASE 100VAC
Iout: 100%
Vout: 100%
Ta: 25°C

Line



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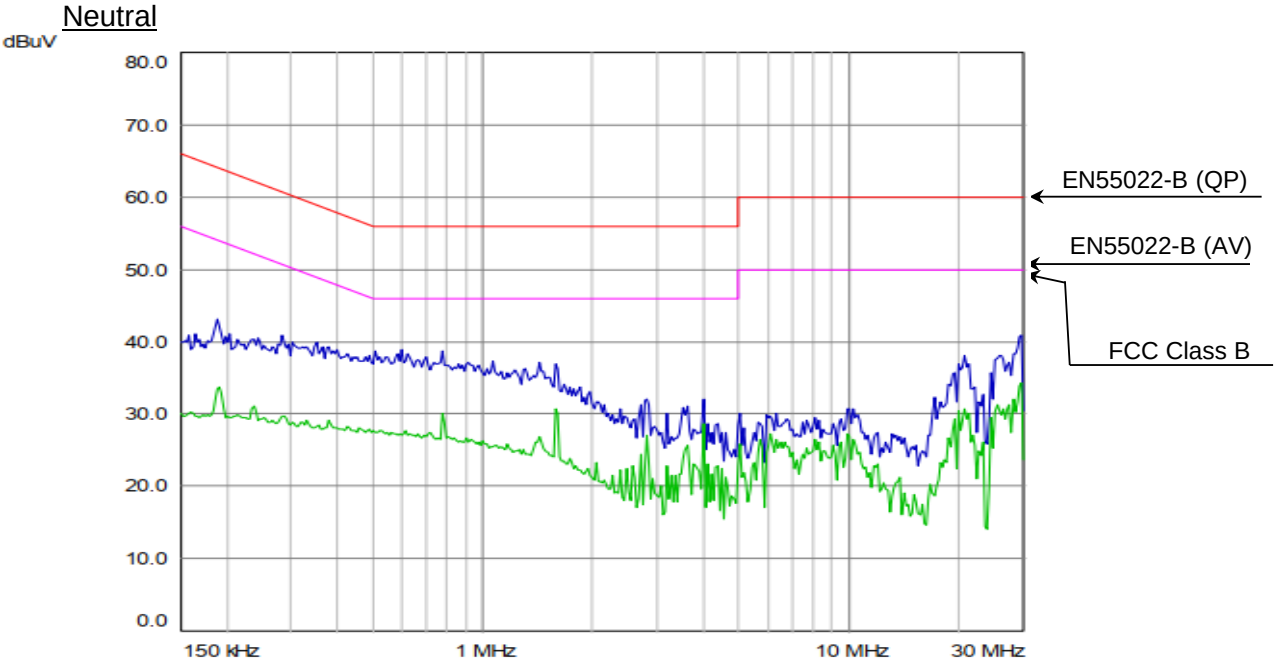


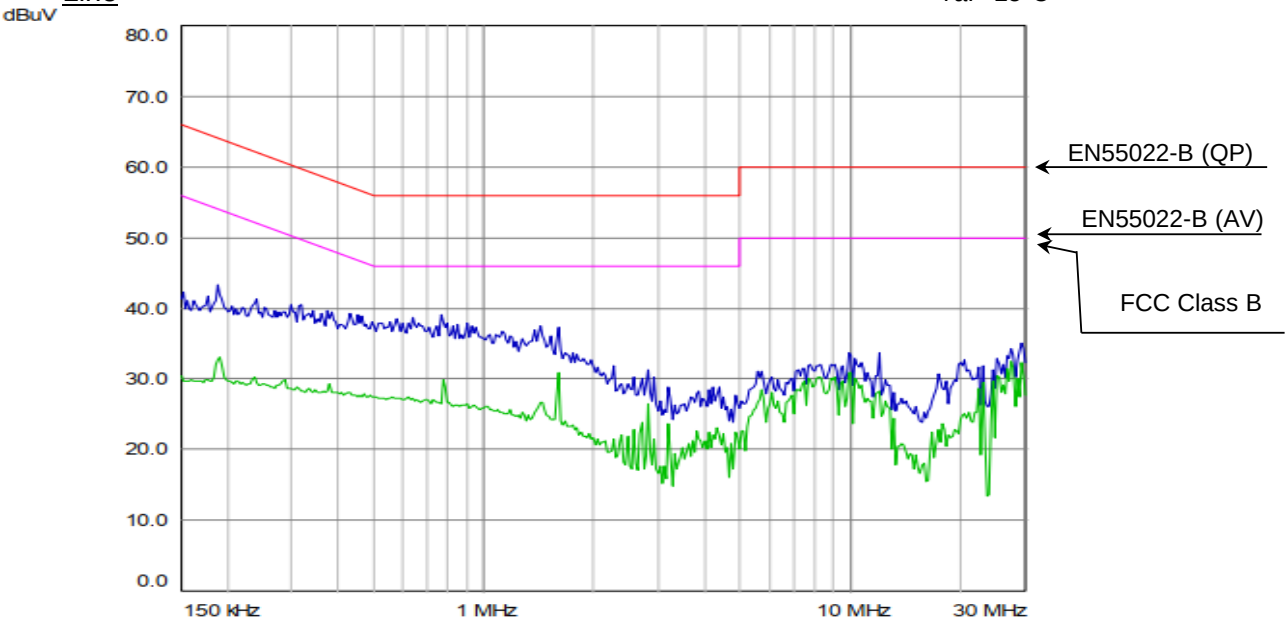
2. Test Data

2.1 Conducted Emission

MODEL: GH600-1.7 1P200

Conditions: Vin: 1PHASE 230VAC
Iout: 100%
Vout: 100%
Ta: 25°C

Line



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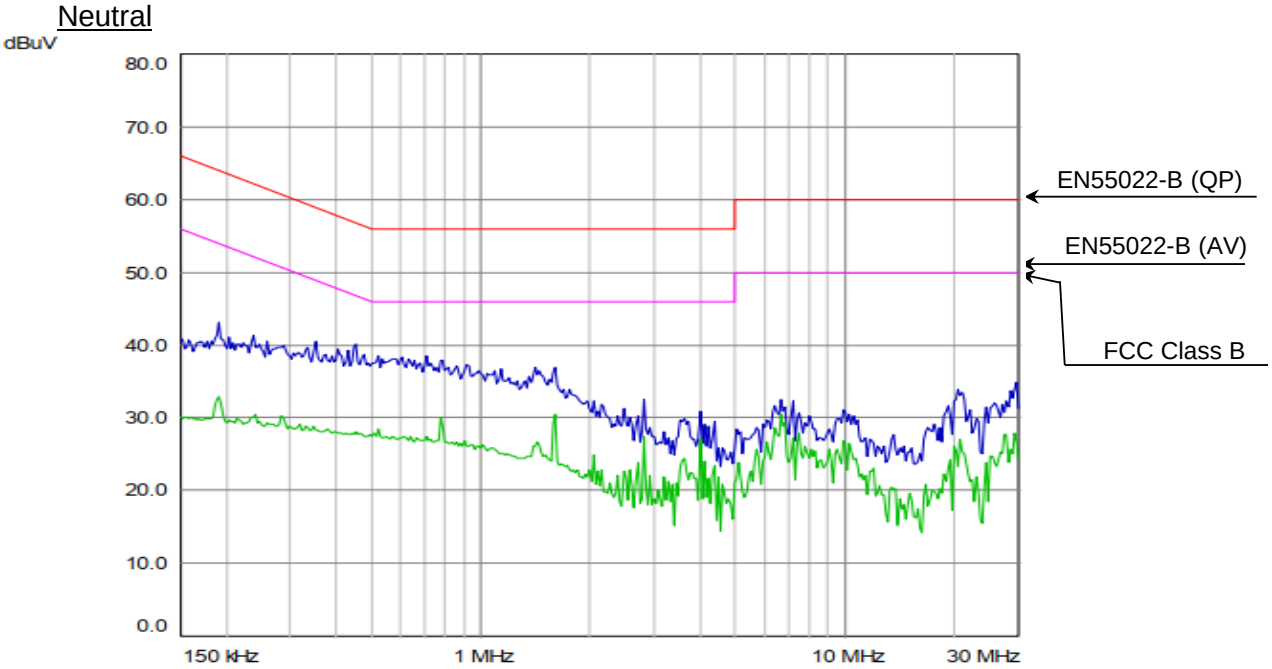
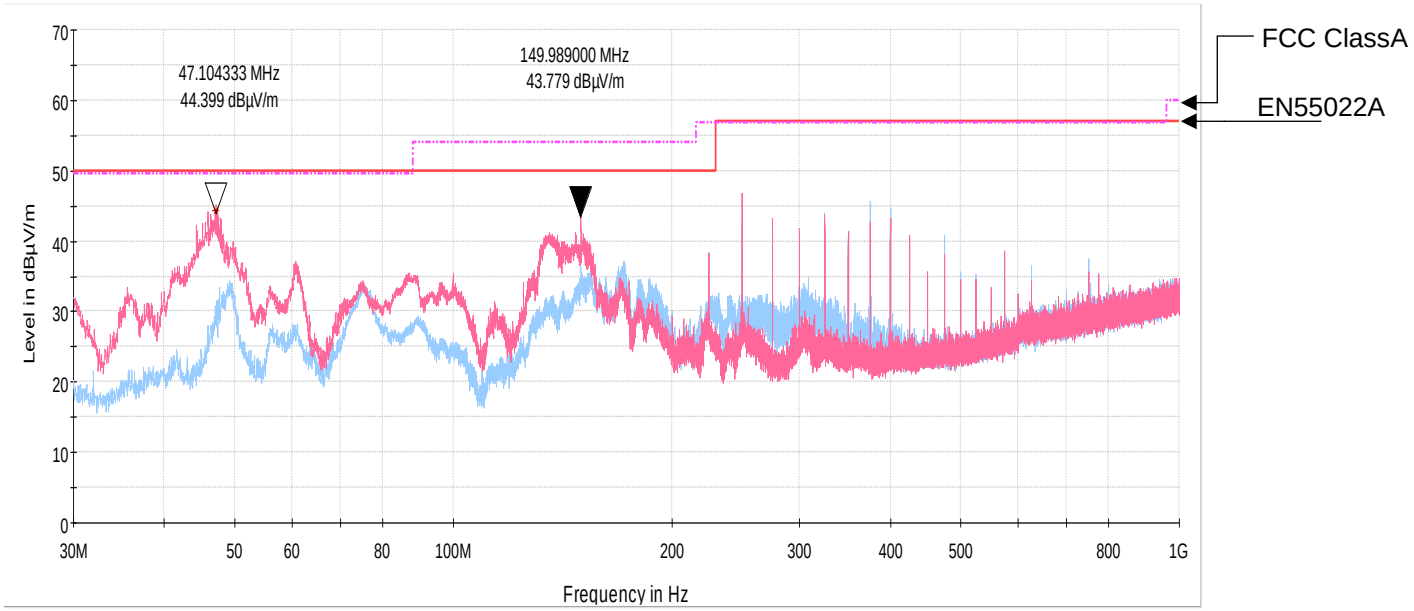


2. Test Data

2.2 Radiated Emission

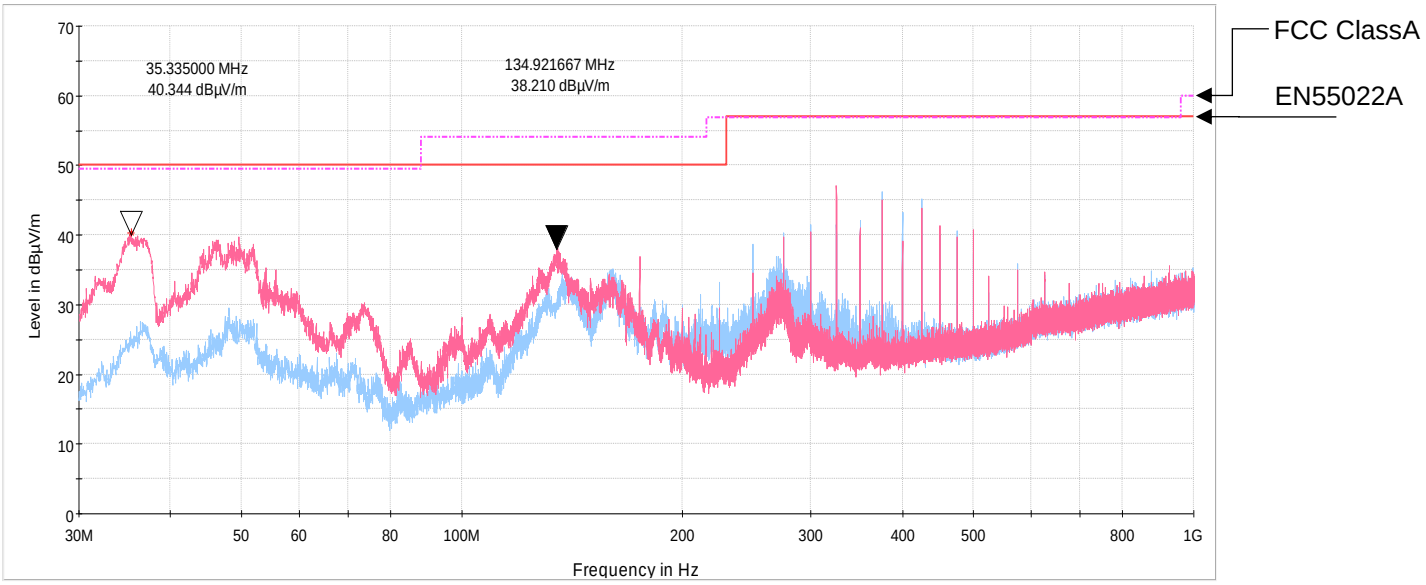
MODEL: GH10-100 1P200

Conditions: Vin: 1PHASE 230VAC
Iout: 100%
Vout: 100%
Ta: 25°C



MODEL: GH60-17 1P200

Conditions: Vin: 1PHASE 230VAC
Iout: 100%
Vout: 100%
Ta: 25°C

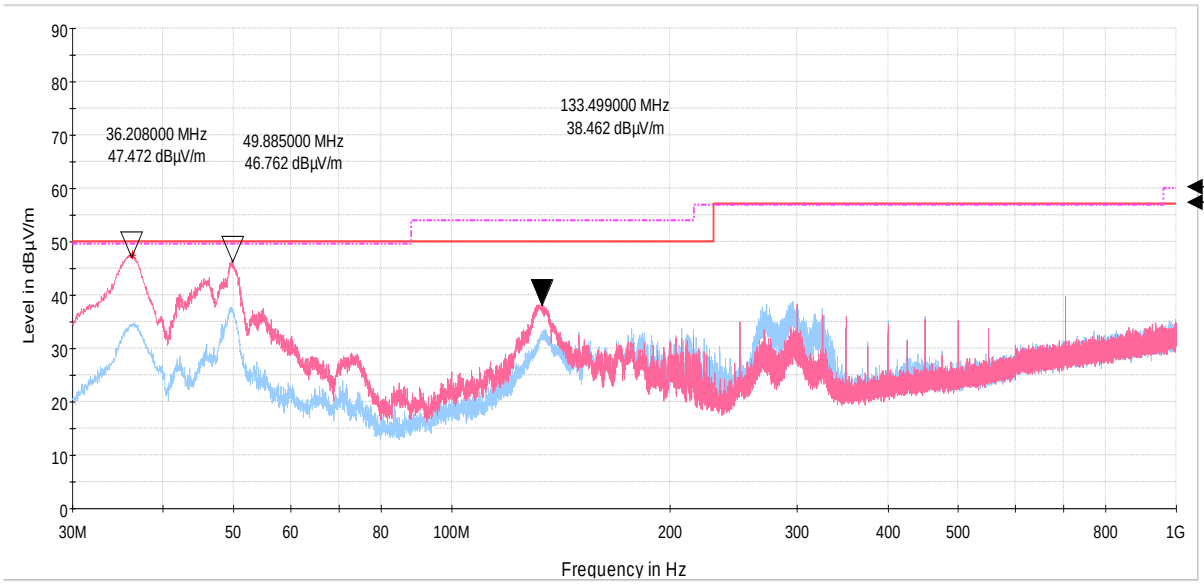


2. Test Data

2.2 Radiated Emission

MODEL: GH150-7 1P200

Conditions: Vin: 1PHASE 230VAC
Iout: 100%
Vout: 100%
Ta: 25°C



MODEL: GH600-1.7 1P200

Conditions: Vin: 1PHASE 230VAC
Iout: 100%
Vout: 100%
Ta: 25°C